



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/507,467	09/10/2004	Jan Van Der Linden	0218.71425	1251
24978	7590	11/01/2007		
GREER, BURNS & CRAIN 300 S WACKER DR 25TH FLOOR CHICAGO, IL 60606			EXAMINER STIGELL, THEODORE J	
			ART UNIT 3763	PAPER NUMBER
			MAIL DATE 11/01/2007	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/507,467

Applicant(s)

VAN DER LINDEN ET AL.

Examiner

Theodore J. Stigell

Art Unit

3763

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 20 July 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,2,4-11,13,15 and 17-22 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1,2,4-11,13,15 and 17-22 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Amendment

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-2, 4-7, 13, 15, 17-21 are rejected under 35 U.S.C. 102(b) as being anticipated by Flower (3,520,300). Flower discloses a device that could supply gas to an area comprising a supply conduit (40), which is connectable to a gas source (54) and which includes an outlet end (34), a porous body (32) made of a polyurethane foam rubber-like material (column 2, lines 20-25) provided at the outlet end, wherein the device is arranged to permit the supply of gas through the porous body, a filter (50) arranged on the supply conduit for filtering the supply of gas through the supply conduit, and an attachment member (22) including a first and second surface (28 and the outside surface of 22 respectively) and a sleeve (24) extending outwardly away from the porous body and being connected to the outlet end, and a continuous channel extending through the sleeve and first and second surfaces, wherein the porous body is attached to the first surface and wherein the outlet end is connected to the attachment member for transmitting the supply in a direction through the outlet end, the channel, and the porous body, wherein the first surface covers substantially the porous body as seen in the first direction, wherein the sleeve extends in a direction between 0-90

degrees, wherein the sleeve projects into the supply conduit (Figure 4), wherein the member and body are substantially circular in the first direction, wherein the porous body can be semispherical (Figure 6), wherein the device includes a homogenous body, wherein the gas can carbon dioxide, and wherein the porous body is arranged to supply gas in a controlled flow and the device can be used to supply gas to a human or animal.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.
2. Ascertaining the differences between the prior art and the claims at issue.
3. Resolving the level of ordinary skill in the pertinent art.
4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

Claims 1-2, 4-6, 13, 15, 17-22 are rejected under 35 U.S.C. 103(a) as being unpatentable over Heaton et al. (WO 99/13793) in view of Flower (3,520,300). Heaton discloses a device that includes most of the limitations recited in the claims listed above. Heaton does not teach to include a filter on the supply conduit. Flower discloses a suction device with a filter (50) positioned on the supply conduit for filtering liquid from the suctioned gas. The filter allows for the removal of excess, unwanted body fluids.

Art Unit: 3763

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to modify the device of Heaton with the filter of Heaton to provide a device that could filter off excess fluid from a wound area.

Claims 8-11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Flower (3,520,300) in view of Heimlich (3,672,372). Flower discloses all of the limitations as recited in claim 1, but does not teach to include a stiffening means in the form of a deformable wire in the conduit. Heimlich discloses a catheter that includes tubing (10) with a wire stiffening means (36) disposed within the conduit. Heimlich teaches that the stiffening means is useful in avoiding kinking in the flexible catheter that would inhibit the flow of fluid. Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to modify the supply conduits of Flower with the limitations of Heimlich to make a supply conduit that was more resilient and less likely to kink while delivering gas to the body.

Claims 8-11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Heaton (WO 99/13793) in view of Flower (3,520,300) and further in view of Heimlich (3,672,372). Heaton and Flower disclose all of the limitations as recited in claim 1, but do not teach to include a stiffening means in the form of a deformable wire in the conduit. Heimlich discloses a catheter that includes tubing (10) with a wire stiffening means (36) disposed within the conduit. Heimlich teaches that the stiffening means is useful in avoiding kinking in the flexible catheter that would inhibit the flow of fluid. Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to modify the supply conduits of Heaton and Flowers with the limitations of

Heimlich to make a supply conduit that was more resilient and less likely to kink while delivering gas to the body.

Response to Arguments

Applicant's arguments with respect to claims 1, 2, 4-11, 13, 15 and 17-22 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Theodore J. Stigell whose telephone number is 571-272-8759. The examiner can normally be reached on M-F 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nicholas Lucchesi can be reached on 571-272-4977. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Application/Control Number: 10/507,467

Page 6

Art Unit: 3763


Theodore J. Stigell

NICHOLAS D. LUCCHESI
SUPERVISOR, PATENT EXAMINER
TECHNOLOGY CENTER 3700